# INTERNATIONAL SEARCH REPORT

mational application No. PCT/KR2004/001370

### A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C07D 239/10

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC:C07D, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) REGISTRY(STN), CAPLUS(STN)

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
<b>A</b>	KR 01-61856 A (DONGWHA PHARMACEUT. CO., LTD.) 7 JULY 2001 see the abstract	1-10, 12		
Α	Jun Lu et al., "One-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones using lanthanum chloride as a catalyst", Tetrahedron Letters, 2000, Vol.41, pp.9075-9078	1-10, 12		
A	KR 01-48569 A (DONGWHA PHARMACEUT. CO., LTD.) 15 JUNE 2001 see the abstract	1-10, 12		
Р, А	Gowravaram Sabitha et al., "Vanadium(III) chloride catalyzed Bignelli condensation:solution phase library generation of dihydropyrimidin-(2H)-ones", Tetrahedron Letters, 18 August 2003, Vol. 44, No. 34, pp.6497-6499	1-10, 12		
A	Christian Oliver Kappe et al., "Synthesis and reaction of "Bignelli Compounds". Part I", Journal of Heterocyclic chemistry, 1989, Vol. 26, No. 55, pp.55-64	1-10, 12		

Further documents are listed in the continuation of Box C.

See patent family annex.

- Special categories of cited documents:
- 'A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- On document referring to an oral disclosure, use, exhibition or other
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search
31 AUGUST 2004 (31.08.2004)

31 AUGUST 2004 (31.08.2004)

Name and mailing address of the ISA/KR



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## INTERNATIONAL SEARCH REPORT



International application No.
PCT/KR2004/001370

Box No. II	Observations where	ertain claims were found unsearchable (Continuation of item 2 of first sheet)	
This internat	ional search report has n	not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
bec		ect matter not required to be searched by this Authority, namely:	٠.
Т	herefore, claim 11, direc	m 11 is directed to a method for the treatment or prevention of hepatitis C. eted to therapeutical and prophylactic methods of the human body and is subject matter which the uthority is not required to search under Article 17.(2)(a)(i) and Rule 39.1(iv)PCT.	
. L bec	ims Nos.: cause they relate to parts ent that no meaningful i	s of the international application that do not comply with the prescribed requirements to such an international search can be carried out, specifically:	•
3. Cla	nims Nos.:	nt claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
·		· · · · · · · · · · · · · · · · · · ·	•
Box No. II	Observations where	e unity of invention is lacking (Continuation of item 3 of first sheet)	
This Interna	tional Searching Author	ity found multiple inventions in this international application, as follows:	
	·		
	all required addtional so	earch fees were timely paid by the applicant, this international search report covers all searchable	
	all searchable claims co any addition fee.	ould be searched without effort justifying an additional fee, this Authority did not invite payment	
3. As	only some of the requirely those claims for which	red additional search fees were timely paid by the applicant, this international search report covers h fees were paid, specifically claims Nos.:	
			•
•	• .		
4. No	o required additional sea stricted to the invention	rch fees were timely paid by the applicant. Consequently, this international search report is first mentioned in the claims; it is covered by claims Nos.:	
Remark o	n Protest	The additional search fees were accompanied by the applicant's protest.	
		No protest accompanied the payment of additional search fees.	

	INTERNATIONAL SEARCH REPORT					International application No. PCT/KR2004/001370			
	Patent document cited in search report		Publication date		Patent family member(s)		Pub date	ilication	7.7.
	KR 01-61856 A	<u> </u>	07.07.2001		None		•		
	KR 01-48569 A	-	15.06.2001	•	None				
*		2 140						•	•